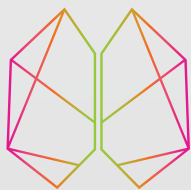




# SHAPE MATTERS



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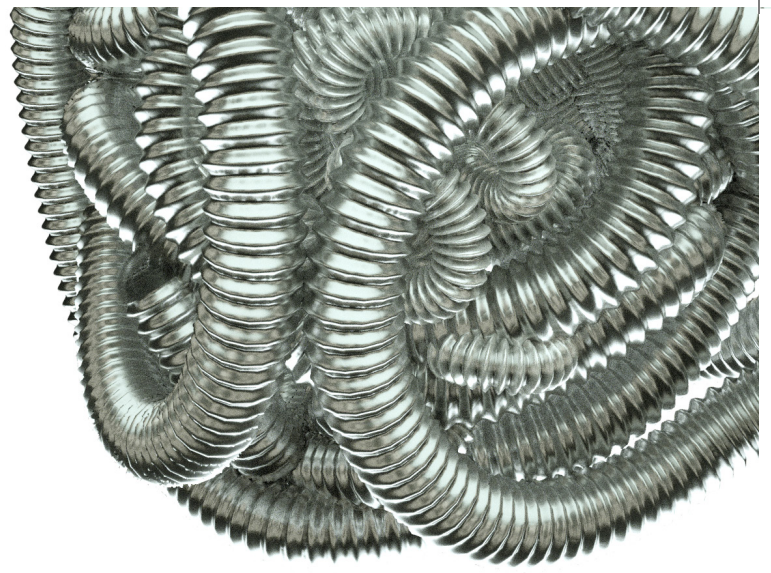
CERENOVUS  
SPECTRA™  
family of coils



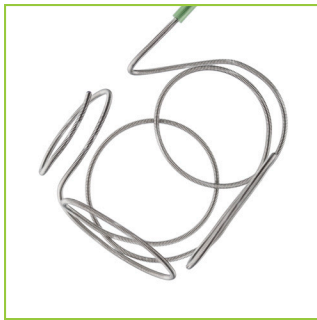
# CERENOVUS

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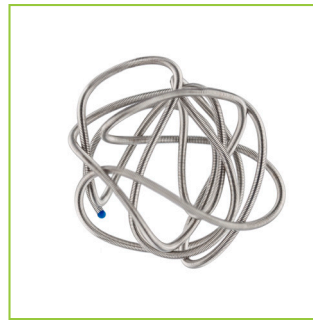
## CERENOVUS SPECTRA™ family of coils



### MICRUSFRAME™ microcoil



### GALAXY G3™ microcoil



#### FEATURES

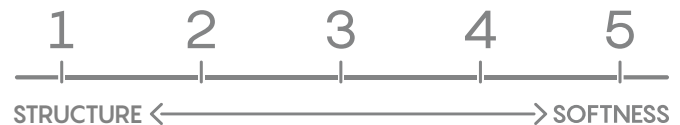
MICROCOIL DELIVERY SYSTEM

EASE OF USE

STABLE DEPLOYMENT

MICROCATHETER STABILITY

The CERENOVUS SPECTRA™ Family of Microcoils is ranked according to softness scale based on key parameters that influence spring constant. Coils are categorized on a scale of 1 to 5. Coils providing structure and stability (rated 1) and ultrasoft coils for dense packing (rated 5) create a full spectrum of softness.





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CERENOVUS  
SPECTRA™  
family of coils

MICRUSFRAME™ S

microcoil

## Structure and Stability

### COIL FEATURES:

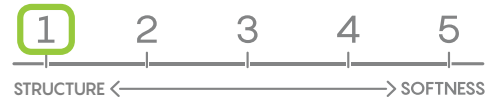
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- Combines the **structure** of the MICRUSFRAME™ Coil shape technology with the **stability** of a framing coil.
- Predictable stable frame creates **open inner core** for concentric filling.
- Designed to provide robust scaffolding with **excellent neck coverage** which may reduce retreatment rates<sup>6</sup>.
- 0.0165" Microcatheter compatible; optimal performance with PROWLER SELECT® LP ES Microcatheter.

<sup>6</sup> Castro, E. Interventional Radiology 2008; 14:375-384

# MICRUSFRAME™ S 18

microcoil



## Complex Stretch Resistant Coil

Catalog no.	Diameter	Length	Softness Scale
<b>MFR182050</b>	<b>20mm</b>	<b>50cm</b>	<b>1</b>
<b>MFR181950</b>	<b>19mm</b>	<b>50cm</b>	<b>1</b>
<b>MFR181846</b>	<b>18mm</b>	<b>46cm</b>	<b>1</b>
<b>MFR181750</b>	<b>17mm</b>	<b>50cm</b>	<b>1</b>
<b>MFR181647</b>	<b>16mm</b>	<b>47cm</b>	<b>1</b>
<b>MFR181550</b>	<b>15mm</b>	<b>50cm</b>	<b>1</b>
<b>MFR181447</b>	<b>14mm</b>	<b>47cm</b>	<b>1</b>
<b>MFR181343</b>	<b>13mm</b>	<b>43cm</b>	<b>1</b>
<b>MFR181240</b>	<b>12mm</b>	<b>40cm</b>	<b>1</b>
MFR181220	12mm	20.7cm	1
<b>MFR181137</b>	<b>11mm</b>	<b>37cm</b>	<b>1</b>
MFR181118	11mm	18.9cm	1
<b>MFR181034</b>	<b>10mm</b>	<b>34cm</b>	<b>1</b>
MFR181017	10mm	17.1cm	1
<b>MFR180933</b>	<b>9mm</b>	<b>33cm</b>	<b>1</b>
MFR180915	9mm	15.3cm	1
<b>MFR180830</b>	<b>8mm</b>	<b>30cm</b>	<b>1</b>
MFR180813	8mm	13.6cm	1
MFR180714	7mm	14.3cm	1
MFR180612	6mm	12.2cm	1
MFR180510	5mm	10cm	1

### Extra Long Coils

## COIL FEATURES:

### Structure & Stability

- MICRUSFRAME™ S 18 Microcoil:  
Primary Outer Diameter = 0.015"
- Excellent choice for aneurysms where coil structure is critical



# MICRUSFRAME™ S 10

microcoil



## Complex Stretch Resistant Coil

Catalog no.	Diameter	Length	Softness Scale
<b>MFR100829</b>	<b>8mm</b>	<b>29cm</b>	<b>2</b>
MFR100816	8mm	16.1cm	2
<b>MFR100730</b>	<b>7mm</b>	<b>30cm</b>	<b>2</b>
MFR100713	7mm	13.9cm	2
<b>MFR100626</b>	<b>6mm</b>	<b>26cm</b>	<b>2</b>
MFR100611	6mm	11.9cm	2
<b>MFR100517</b>	<b>5mm</b>	<b>17cm</b>	<b>2</b>
MFR100509	5mm	9.7cm	2
<b>MFR100412</b>	<b>4mm</b>	<b>11.5cm</b>	<b>2</b>
MFR100407	4mm	7.5cm	2
MFR100356	3.5mm	6.6cm	3
MFR100305	3mm	5.4cm	3
MFR100253	2.5mm	3.3cm	3
MFR100202	2mm	2.5cm	3

### Extra Long Coils

## COIL FEATURES:

### Structure & Stability

- MICRUSFRAME™ S 10 Microcoil: Primary Outer Diameter = 0.0105".
- Coil provides soft, supportive 3D structure for aneurysm framing.





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GALAXY G3™

microcoil

## Random Shape, Predictable Results

### COIL FEATURES:

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- GALAXY G3™ Coils have a complex shape and the unique **proprietary random loop design** which does not follow a predefined shape.
- GALAXY random loops pursue a **unique path** each time they are deployed.
- **Conforms** to the true aneurysm shape and seeks open space to **fill concentrically**, from the **periphery to the core**.
- **Tight Distal Loop (TDL) Technology:** the first loop of all GALAXY G3™ Coils 4mm in diameter and larger is one third smaller than the labeled coil diameter, and is designed to facilitate the anchoring of the coil in the aneurysm.
- **Random** complex coils are shown to have **better conformability** and provide excellent framework for **concentric filling**, dense packing, and lower retreatment rates vs. other existing helical and complex coils<sup>1</sup>.
- **Shape integrity** with a variety of increasing coil softness.
- 0.0165" Microcatheter compatible; optimal performance with PROWLER SELECT® LP ES Microcatheter.

<sup>1</sup> Bendok, BR, Rahme RJ. Complex shaped detachable platinum coil system for the treatment of cerebral aneurysms: The Codman TruFill DCS and TruFill DCS Orbit Detachable Coil System COMPLEX Registry final results. J NeuroIntervent Surg 2011; DOI: 10.1136/neurointsurg-2011-010118.

## Random Complex Stretch Resistant Coil

Catalog no.	Diameter	Length	Softness Scale
GLY121230	12mm	30cm	3
GLY121030	10mm	30cm	3
GLY120925	9mm	25cm	3
GLY120824	8mm	24cm	3
GLY120815	8mm	15cm	3
GLY120721	7mm	21cm	3
GLY120715	7mm	15cm	3
GLY120620	6mm	20cm	3
GLY120615	6mm	15cm	3
GLY120610	6mm	10cm	3
GLY120515	5mm	15cm	3
GLY120510	5mm	10cm	3
GLY120412	4mm	12cm	3
GLY120410	4mm	10cm	3
GLY120407	4mm	7cm	3
GLY123509	3.5mm	9cm	3
GLY123575	3.5mm	7.5cm	3
GLY120308	3mm	8cm	3
GLY120306	3mm	6cm	3
GLY122505	2.5mm	5cm	3
GLY122535	2.5mm	3.5cm	3
GLY120202	2mm	2cm	3

### COIL FEATURES:

#### Random Shape, Predictable Results

- GALAXY G3™ Microcoil: Primary Outer Diameter = 0.012".
- Optimal balance of softness and support.
- Superior volumetric filling versus 10-System coils<sup>1</sup>.



<sup>1</sup> White, J.B., et. al AJNR Am J Neuroradiol. 2008 Aug;29(7):1242-6.

## Random Complex Stretch Resistant Coil

Catalog no.	Diameter	Length	Softnes Scale
GLX120410	4mm	10cm	4
GLX120408	4mm	8cm	4
GLX120406	4mm	6cm	4
GLX123509	3.5mm	9cm	4
GLX123575	3.5mm	7.5cm	4
GLX123505	3.5mm	5cm	4
GLX120308	3mm	8cm	4
GLX120306	3mm	6cm	4
GLX120304	3mm	4cm	4
GLX122505	2.5mm	5cm	4
GLX122535	2.5mm	3.5cm	4
GLX122525	2.5mm	2.5cm	4
GLX120208 <sup>1</sup>	2mm	8cm	4
GLX120206 <sup>1</sup>	2mm	6cm	4
GLX120204 <sup>1</sup>	2mm	4cm	4
GLX120202	2mm	2cm	4
GLX120201	2mm	1.5cm	4

<sup>1</sup> XTRASOFT 2X4, 2X6 and 2X8 coils feature a helical shape

### COIL FEATURES:

#### Random Shape, Predictable Results

- GALAXY G3™ XSFT Microcoil: Primary Outer Diameter = 0.012".
- Ultra thin coil wire provides enhanced softness with maintaining high packing volume.





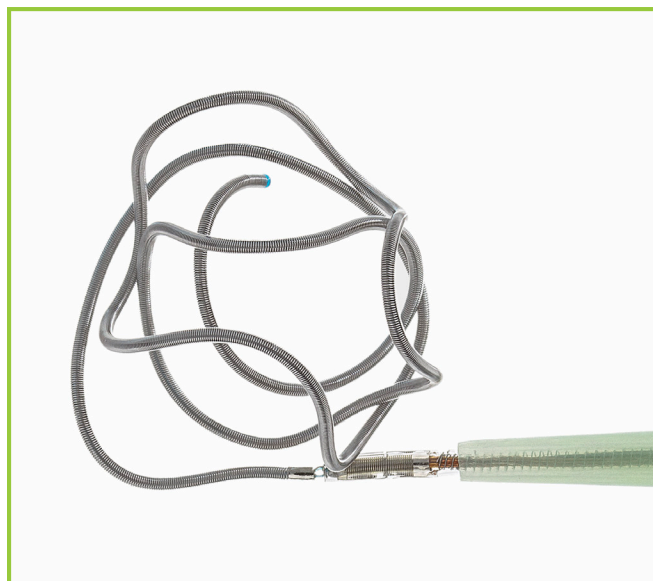
## Random Complex Stretch Resistant Coil

Catalog no.	Diameter	Length	Softness Scale
GLM930080	3mm	8cm	5
GLM930060	3mm	6cm	5
GLM930040	3mm	4cm	5
GLM925055	2.5mm	5.5cm	5
GLM925045	2.5mm	4.5cm	5
GLM925035	2.5mm	3.5cm	5
GLM920060	2mm	6cm	5
GLM920040	2mm	4cm	5
GLM920030	2mm	3cm	5
GLM915040	1.5mm	4cm	5
GLM915030	1.5mm	3cm	5
GLM915025	1.5mm	2.5cm	5
GLM915020	1.5mm	2cm	5
GLM910040	1mm	4cm	5
GLM910030	1mm	3cm	5
GLM910025	1mm	2.5cm	5
GLM910020	1mm	2cm	5
GLM910015	1mm	1.5cm	5
GLM910010	1mm	1cm	5

### COIL FEATURES:

#### Random Shape, Predictable Results

- GALAXY G3™ MINI Microcoil: Primary Outer Diameter = 0.009"
- Our softest coil in the SPECTRA portfolio made with our smallest coil wire.
- Excellent for addressing remaining spaces within the coil mass.
- Comprehensive offering of random complex coils.
- Proprietary stretch resistance technology minimizes impact to shape while offering the security of stretch resistance.



## ACCESSORIES

# ENPOWER®

detachment control box

## Detachment control system

Catalog no.	Description
DCB2000500	ENPOWER® DCB 2
ECB00018200	ENPOWER® control cable
CCB00015700	Connecting cable

Used with:

- MICRUSFRAME™ S Microcoil
- GALAXY G3™ Microcoil
- GALAXY G3™ XSFT Microcoil
- GALAXY G3™ MINI Microcoil



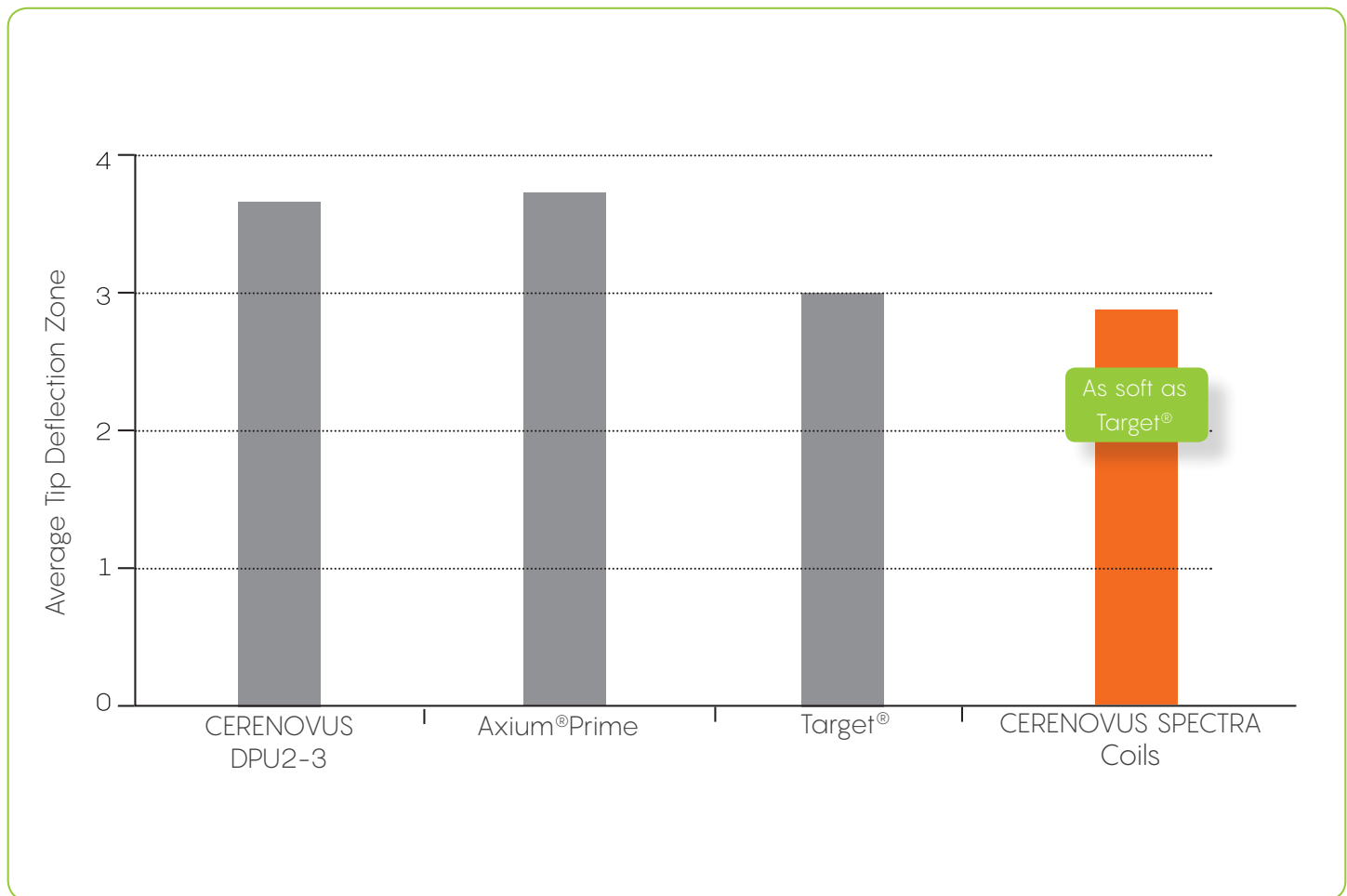


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**SPECTRA™**  
family of coils

## Stable Deployment



### Microcatheter Tip Stability Test<sup>1</sup>:



<sup>1</sup> ADAPTIV Report: 103225336, Codman DPU2, Axium Prime, Target n=3, CERENOVUS SPECTRA™ Coils n=10

## Stable Deployment

The CERENOVUS SPECTRA™ Microcoil Delivery System provides:

-  Reduced Microcatheter Tip Deflection.
-  Improved Detachment Reliability<sup>2</sup>.



DELTAPLUSH® (DPU2-3)  
MicroCoil 1.5 mm x 3 cm



SPECTRA DELTAXSFT  
Microcoil 1.5 mm x 3 cm



Target® Nano™  
1.5 mm x 3 cm

<sup>2</sup> CERENOVUS in house testing report 103216000.



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## Stable Deployment

### Articulating Junction

CERENOVUS SPECTRA™ Microcoils feature an articulating detachment junction. This unique feature enables precise filling and finishing in tightly packed spaces.





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## Stable Deployment

### Innovation with Results:

In competitive testing, our CERENOVUS SPECTRA™ Microcoil Delivery System was found to be<sup>1</sup>:

- ✔ ... softer than the current system and Axium™ Prime
- ✔ ... as soft as Target®
- ✔ ... more deliverable than Target®
- ✔ ... more deliverable than V-Trak® Advanced
- ✔ ... more reliable detachment when compared to the current system

**45%**<sup>2</sup> Reduction in force on the MC tip

**1.9x**<sup>3</sup> More peak force to deliver a Target® coil

Softer than current  
generation and  
Axium® Prime

<sup>1</sup> ADAPTIV Report: 103225336, Codman DPU2, Axium Prime, Target n=3, CERENOVUS SPECTRA™ Coils n=10.

<sup>2</sup> Data memo calculation based on ADAPTIV reports: 103216002, 103207116  
The 45% was calculated from Tip Deflection Force Data collected utilizing an Instron.

<sup>3</sup> ADAPTIV Reports: 103226869, 103163208; n=3; Benchtop testing.



**CERENOVUS**

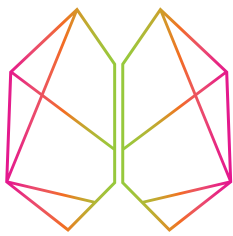
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family of coils

Ease of Use



**Highly - Visible  
Fluoro Markers with  
Tactile Response for  
Greater Control**



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**Note:** For recognized manufacturer, refer to the product label.

Please refer to the instructions for use for a complete list of indications, contraindications, warnings and precautions.

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